

RECONFIGURABLE ANALOG-TO-DIGITAL CONVERTER

ABSTRACT OF THE DISCLOSURE

Configuring an analog-to-digital converter includes receiving a control signal and an input analog signal at an analog-to-digital converter, where the control signal  
5 has either a first state or a second state. The first state is associated with a first configuration and the second state is associated with a second configuration. If the control signal has the first state, the analog-to-digital-converter is configured in the first  
10 configuration and a digital signal comprising a first digital signal is generated according to a pipeline conversion. If the control signal has the second state the analog-to-digital converter is configured in the second configuration and the digital signal comprising a  
15 second digital signal is generated according to a multi-stage sigma delta modulation conversion. The digital signal is processed to yield a digital output.